



Special Artificial Reef Sites

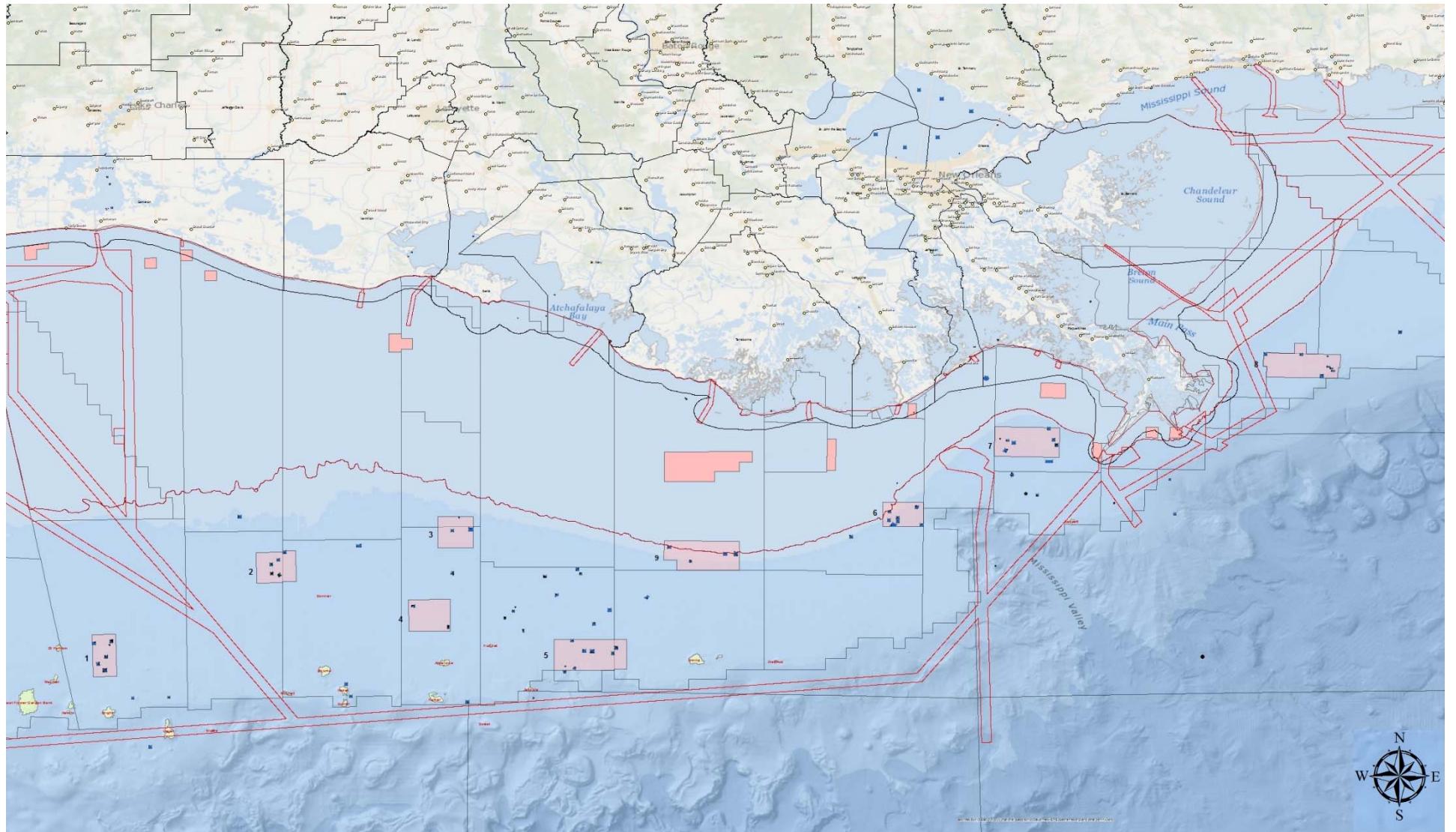
April 10, 2017

The Louisiana Fishing Enhancement Act (1986)

- Created the Artificial Reef Program within the Department of Wildlife and Fisheries
- Required an Artificial Reef Plan to be written (1987)
- Established the Artificial Reef Trust Fund
- Formed the Artificial Reef Council
 - Department of Wildlife and Fisheries
 - School of the Coast and Environment (LSU)
 - Louisiana Sea Grant Program

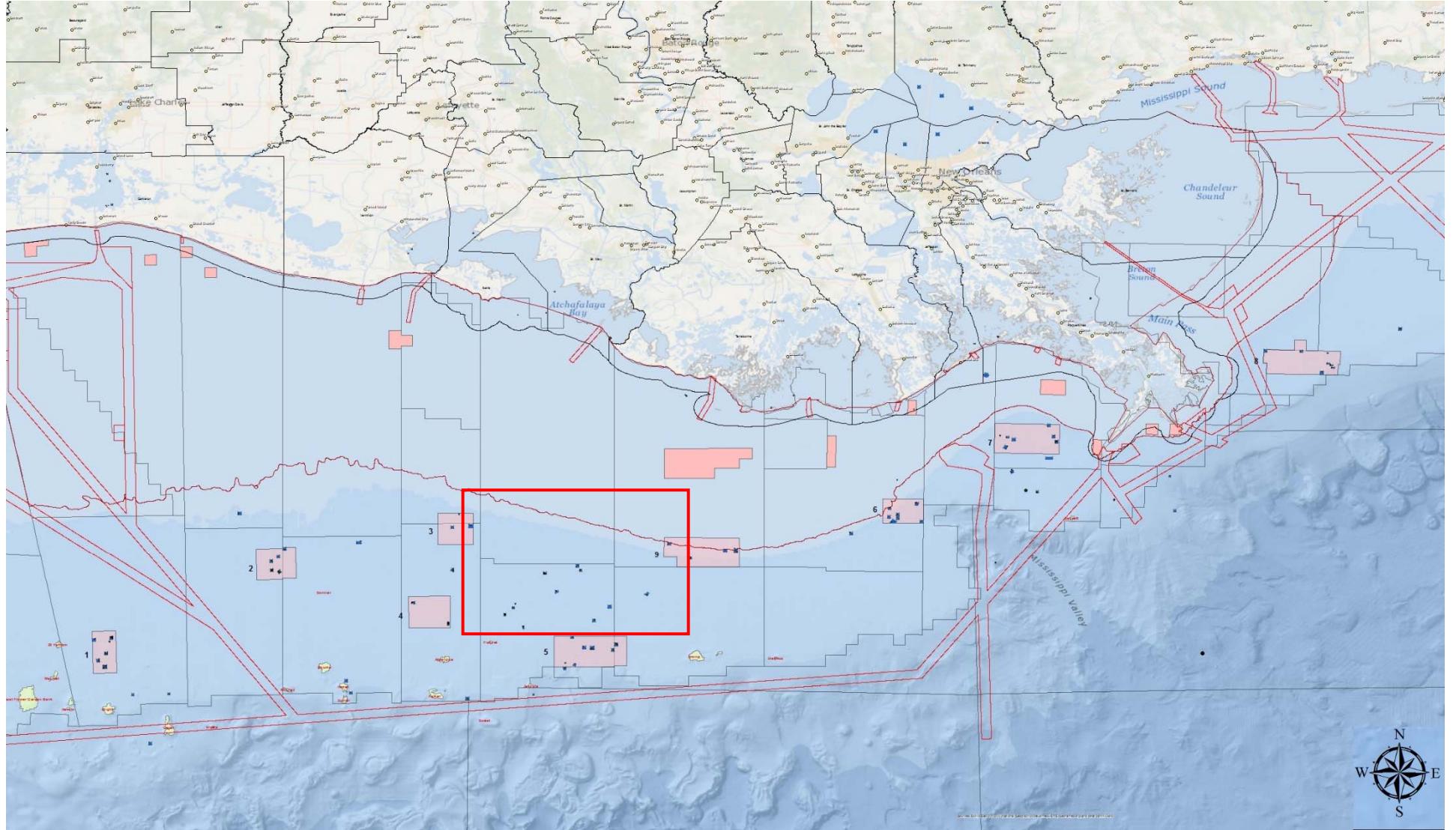


Louisiana Artificial Reef Program



Existing Reefs

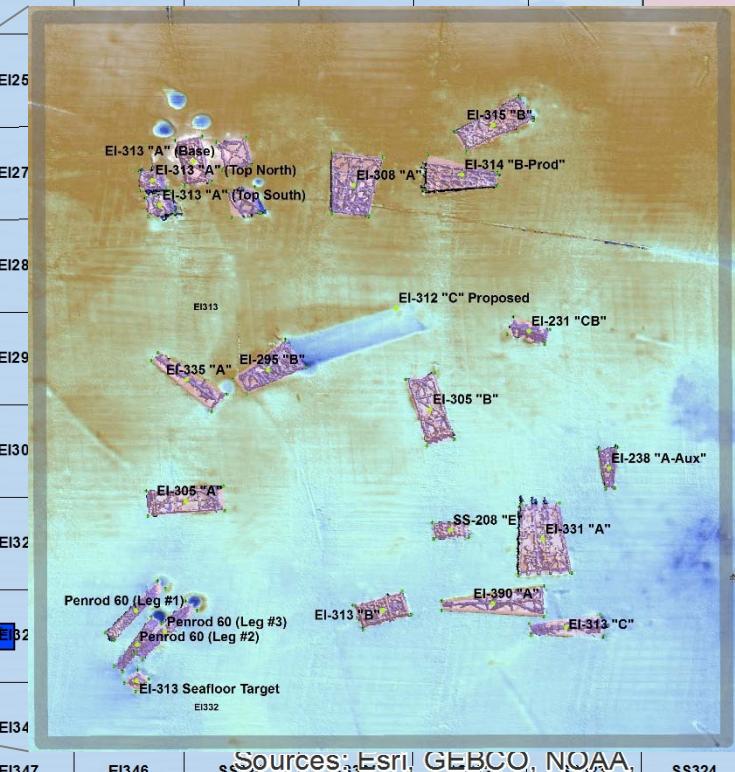
Louisiana Artificial Reef Program



Existing Reefs

Special Artificial Reef Sites (SARS)

SM51	SM50	EI200	EI199	EI198	EI197	EI196	EI195	EI194	EI193	EI192	EI191	EI190	SS151	SS150	SS149	SS148	SS147
SM62	SM63	EI201	EI202	EI203	EI204	EI205	EI206	EI207	EI208	EI209	EI210	EI211	SS152	SS153	SS154	SS155	SS156
SM65	SM64	EI222	EI221	EI220	EI219	EI218	EI217	EI216	EI215	EI214	EI213	EI212	SS175	SS174	SS173	SS172	SS171
SM77	SM78	EI223	EI224	EI225	EI226	EI227	EI228	EI229	EI230	EI231	EI232	EI233	SS176	SS177	SS178	SS179	SS180
SM80	SM79	EI244	EI243	EI242	EI241	EI240	EI239	EI238	EI237	EI236	EI235	EI234	SS199	SS198	SS197	SS196	SS195
SM93	SM94	EI245	EI247	EI248	EI249	EI250	EI251	EI252	EI253	EI254	EI255	EI256	SS200	SS201	SS202	SS203	SS204
SM96	SM95	EI246	EI266	EI265	EI264	EI263	EI262	EI261	EI260	EI259	EI258	EI257	El-313 "A" (Base)	El-313 "A" (Top North)	El-313 "A" (Top South)	El-315 "B"	El-314 "B-Prod"
SM109	SM110	EI267	EI269	EI270	EI271	EI272	EI273	EI274	EI275	EI276	EI277	EI278	El-308 "A"	El-308 "B"	El-312 "C" Proposed	El-231 "CB"	El-335 "A"
SM112	SM111	EI268	EI288	EI287	EI286	EI285	EI284	EI283	EI282	EI281	EI280	EI279	El-305 "A"	El-305 "B"	El-305 "C"	El-238 "A-Aux"	El-331 "A"
SM125	SM126	EI289	EI291	EI292	EI293	EI294	EI295	EI296	EI297	EI298	EI299	EI300	Penrod 60 (Leg #1)	Penrod 60 (Leg #3)	Penrod 60 (Leg #2)	El-313 "B"	El-313 "C"
SM128	SM127	EI290	EI311	EI310	EI309	EI308	EI307	EI306	EI305	EI304	EI303	EI302	El-313 "A" Seafloor Target	El-313 "A"	El-313 "B"	El-313 "C"	El-313 "D"
SM141	SM142	EI312	EI313	EI314	EI315	EI316	EI317	EI318	EI319	EI320	EI321	EI322	SS-208 "E"	El-331 "A"	El-331 "B"	El-331 "C"	El-331 "D"
SM144	SM143	EI333	EI332	EI331	EI330	EI329	EI328	EI327	EI326	EI325	EI324	EI323	Penrod 60 (Leg #1)	Penrod 60 (Leg #3)	Penrod 60 (Leg #2)	El-313 "B"	El-313 "C"
SM157	SM158	EI334	EI336	EI337	EI338	EI339	EI340	EI341	EI342	EI343	EI344	EI345	El-313 "A"	El-313 "B"	El-313 "C"	El-313 "D"	El-313 "E"
		EI335	EI355	EI354	EI353	EI352	EI351	EI350	EI349	EI348	EI347	EI346	El-313 "A"	El-313 "B"	El-313 "C"	El-313 "D"	El-313 "E"



Existing SARS Criteria

- Qualifying criteria (must meet *one or more* of the following):
 - Historical or biological significance
 - Cooperative effort with LARP
 - Contains ship wrecks and other derelicts
 - Integral part of LARP or demonstration project



Existing SARS Criteria

- Mandatory criteria (must meet *all* of the following):
 - Benefit commercial or recreational fishing or provide fish habitat
 - Removing material would have negative impact on fish
 - Does not pose a threat to navigation
 - **Does not occupy currently trawlable bottom**
 - Overall positive impact on other user groups
 - For every SARS created, an equal area of Planning Area will be removed (Blocks: MP-145, MP-272, MP-273, SS-228)
 - removed PA acreage=23,040 ; SARS acreage=6792
 - Free of hazardous material



SARS—Established and Permitted

Reef Site Name	Reef Status	Name of Hurricane
East Cameron 222	Established	Rita 2005
Eugene Island 273	Established	Lili 2002
Eugene Island 275	Established	Lili 2002
Eugene Island 276	Established	Ike 2008
Eugene Island 296	Established	Rita 2005
Eugene Island 309	Established	Lili 2002
Eugene Island 313	Established	*Carmen 1974*
Eugene Island 314	Established	Rita 2005
Eugene Island 322	Established	Lili 2002
Eugene Island 324	Established	Lili 2002
Eugene Island 338	Established	Rita 2005
Grand Isle 9	Established	
Main Pass 243	Established	Georges 1998
Ship Shoal 269	Established	Katrina 2005
South Marsh Island 108	Established	Rita 2005
South Timbalier 86	Established	Juan 1985
South Timbalier 161	Established	Katrina 2005
Vermilion 255	Established	Katrina 2005
West Delta 103/104	Permitted	Katrina 2005
West Delta 117	Established	Katrina 2005
West Delta 133	Permitted	Katrina 2005
West Delta 134	Established	Betsy 1965

Bureau of Safety & Environmental Enforcement (formerly MMS)

- 2009 Rigs-to-Reef Policy Addendum (MMS 2000-073)
 - In Response to 2005 Hurricanes
 - Supports and encourages reuse of obsolete oil & gas facilities
 - Effective SARS moratorium
- 2013 Interim Policy Document (IPD No. 2013-07)
 - Lifted SARS moratorium
 - No platforms toppled by storm/disaster



Rigs to Reef Conversions

Louisiana Only 1987-2012	
Depth Range	% Reefed
0-100 ft	0.48%
101-150 ft	20.89%
151-200 ft	35.00%
>200 ft	63.32%
Overall	9.77%

Louisiana Only 1987-2012	
Total Reefed	
294	
Total to Shore	
3086	
Total Active Platforms	
2488	

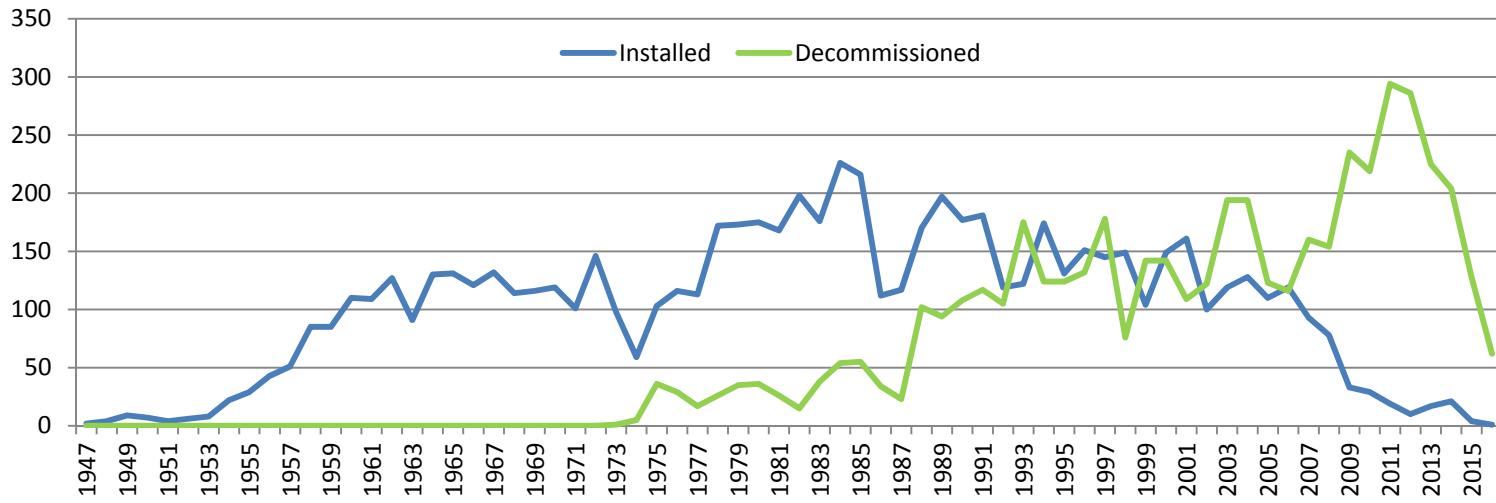
Louisiana Only 2012-2016	
Depth Range	% Reefed
0-100 ft	0.40%
101-150 ft	18.13%
151-200 ft	37.60%
>200 ft	56.51%
Overall	9.11%

Louisiana Only 1987-2016	
Total Reefed	
335	
Total to Shore	
3675	
Total Active Platforms	
2019	



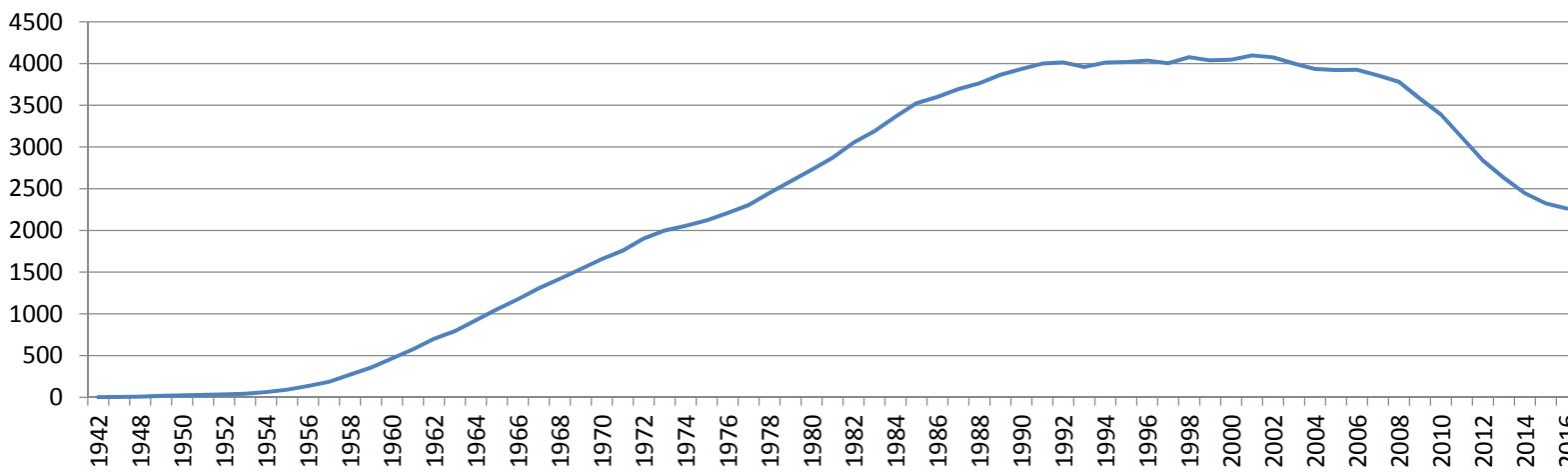
Rigs to Reef Conversions

Installed & Decommissioned Platforms

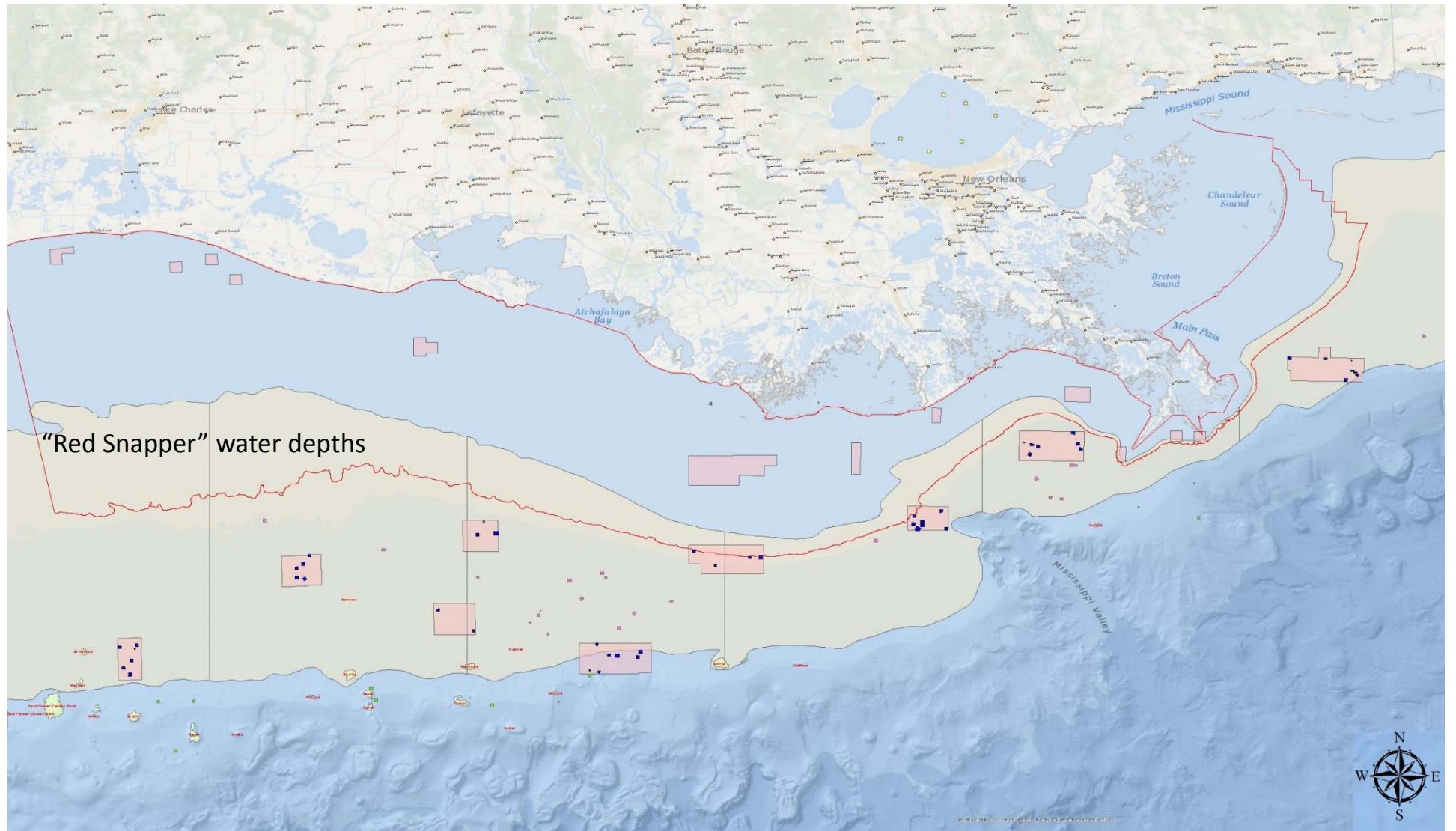


Rigs to Reef Conversions

Standing Platforms

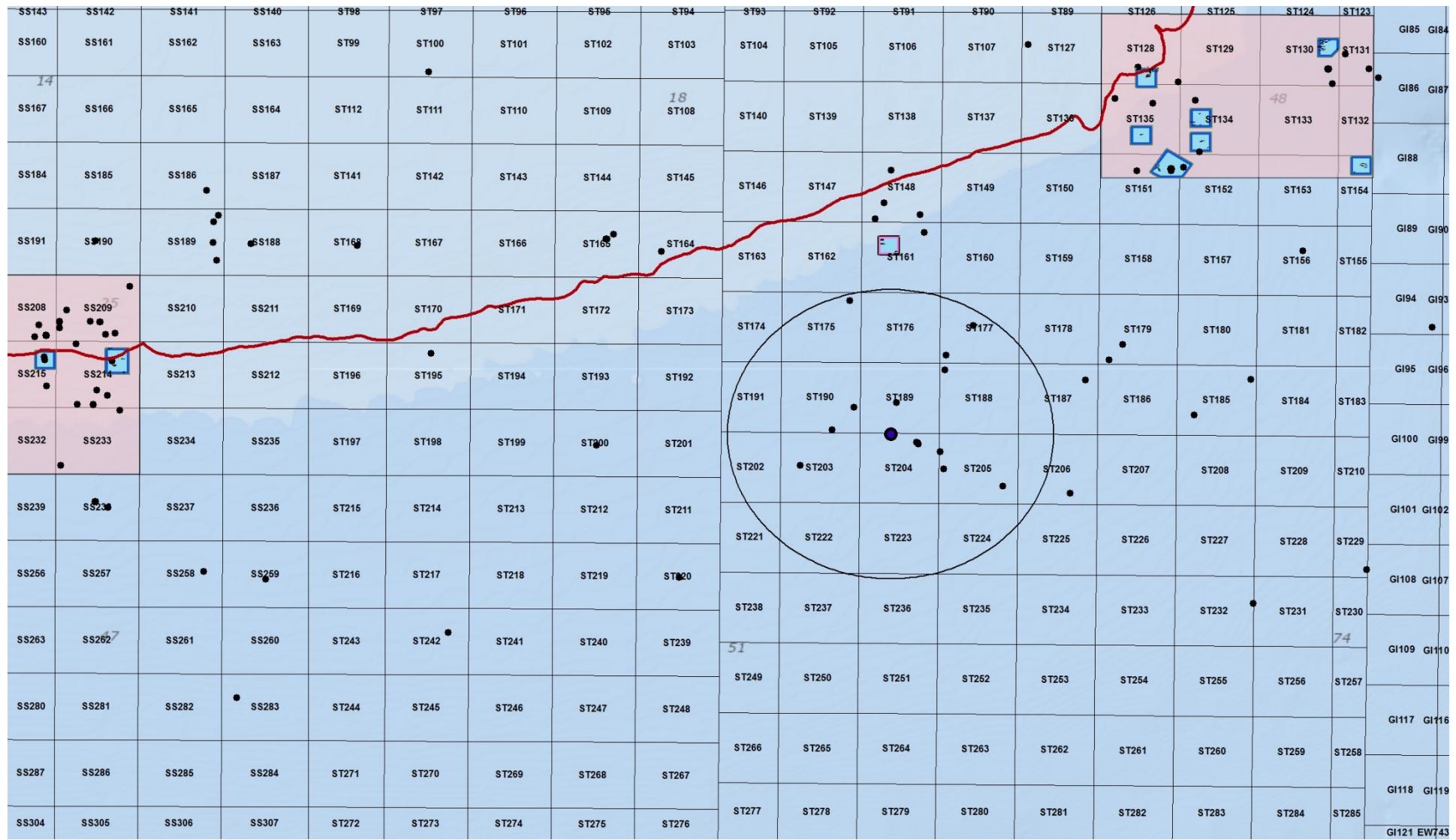


Nearshore Planning Areas

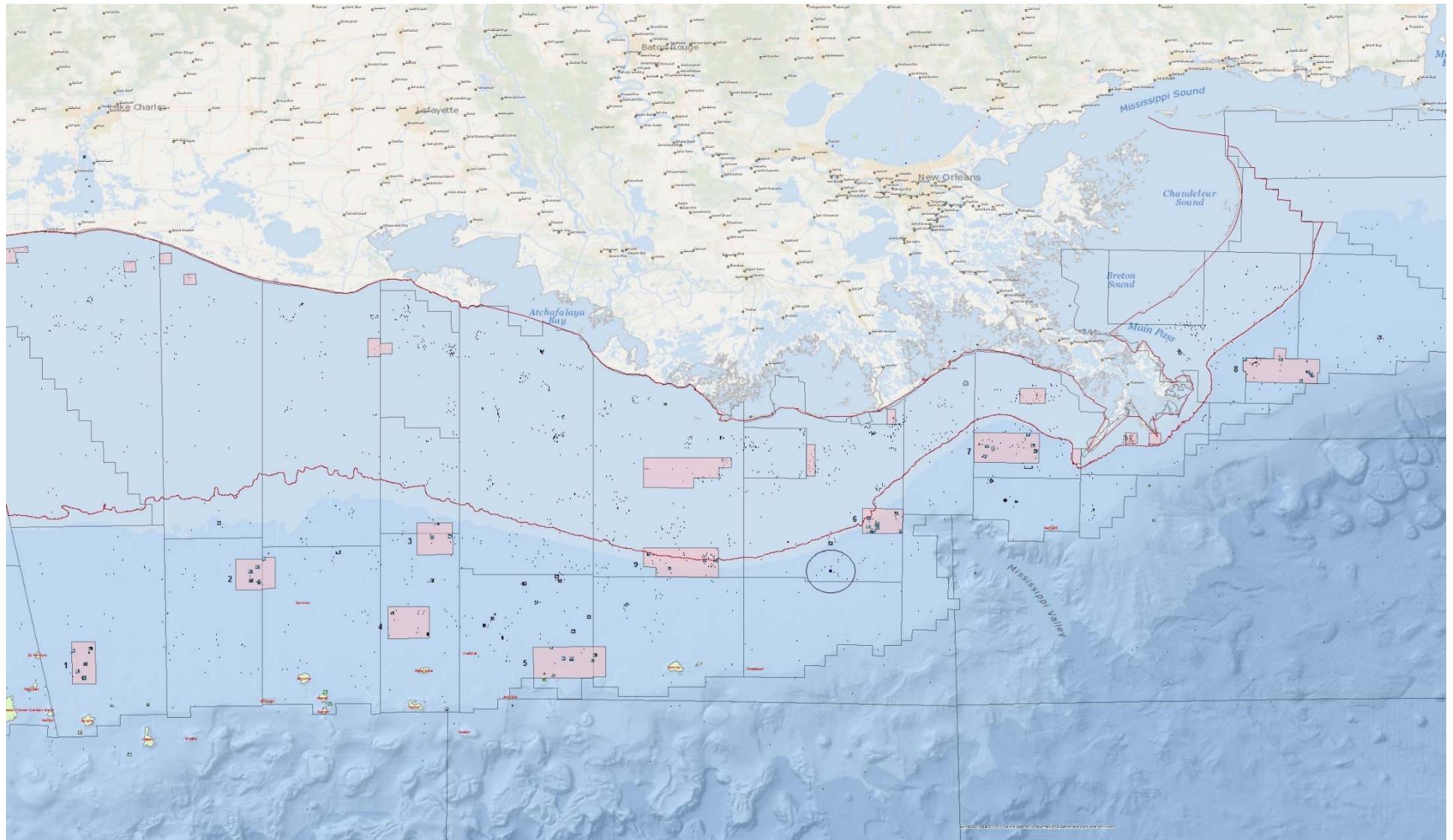


And Red Snapper

Special Artificial Reef Sites (SARS)



Special Artificial Reef Sites (SARS)



What we are asking ARC to consider:

- Lifting the SARS moratorium
- Revising Amendment II
 - Adding a restriction against reefing toppled structures
 - Subtracting areas with *higher shrimp trawl effort* from Planning Areas
 - Defining “trawlable habitat”



Public Comment

- Email: 5 in favor
 - 3 from press release; 2 solicited from CCA
- Outreach to shrimpers
 - Meeting w/ 3: all opposed
 - Phone calls to 3: 1 opposed, 1 in favor, 1 neutral
- Letters from LSA (opposed) and OOC (in favor)
- Presentations to Commission and Shrimp Task Force
 - Motion from STF
- Dock visits

Positive: 0	Neutral: 4	Negative: 4
Outreach: 5	Platforms good: 4**	Site clearance: 3

- **One shrimper contrasted LA favorably w/ FL, where they deploy onshore materials into previously unoccupied water bottoms



Public Comment

- Letters from LSA (opposed)
 - Fund for ‘hangs’ (recommend against)
 - Shrimp effort: Planning Area subtracted > SARS created
 - Added to Amendment II
 - Use AIS, distribute coordinates (agree)
- OOC (in favor)
 - ‘Trawlable ‘bottom’
 - added to Amendment II
 - Engage w/ industry when choosing Planning Area removal (agree)

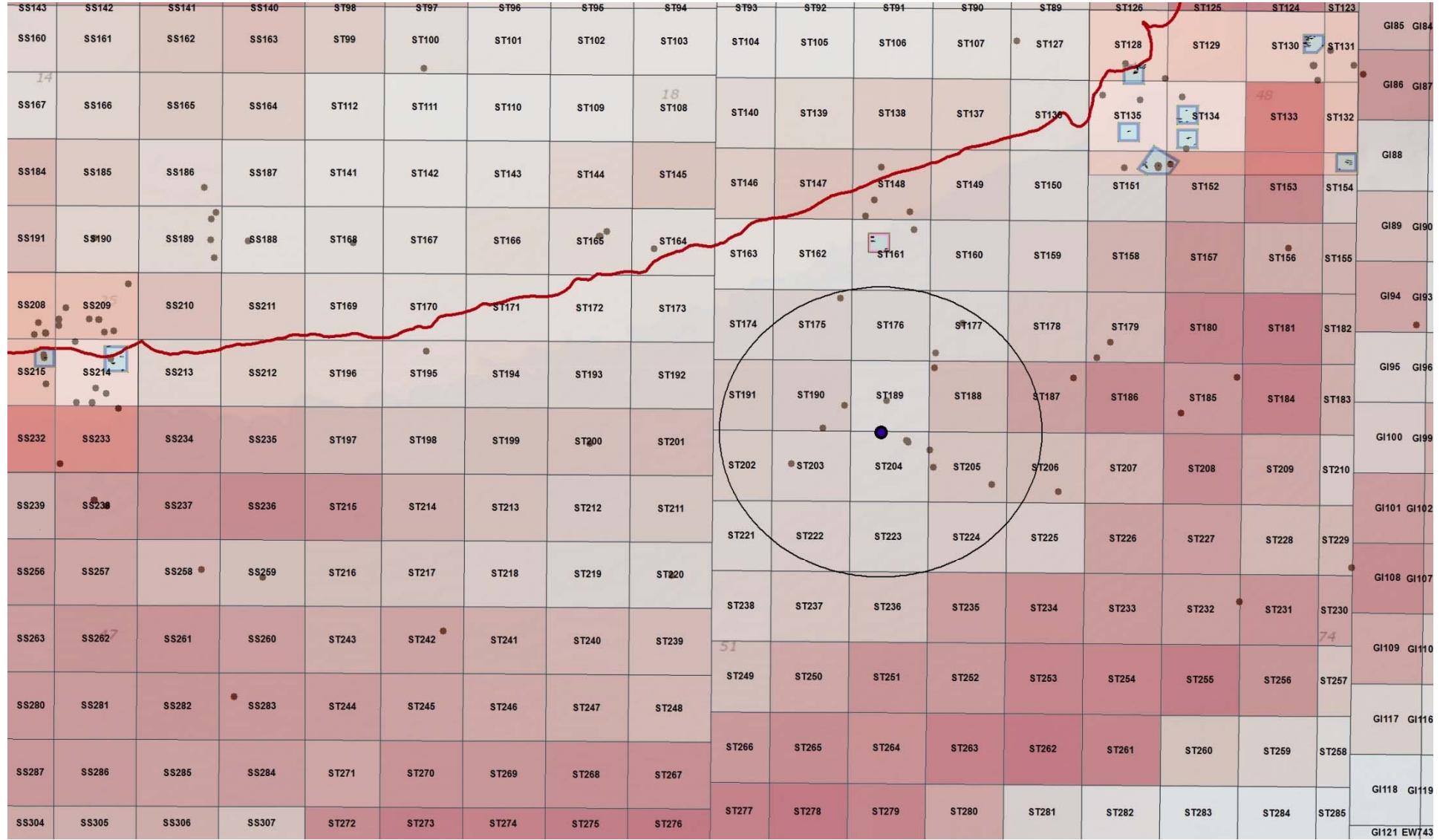


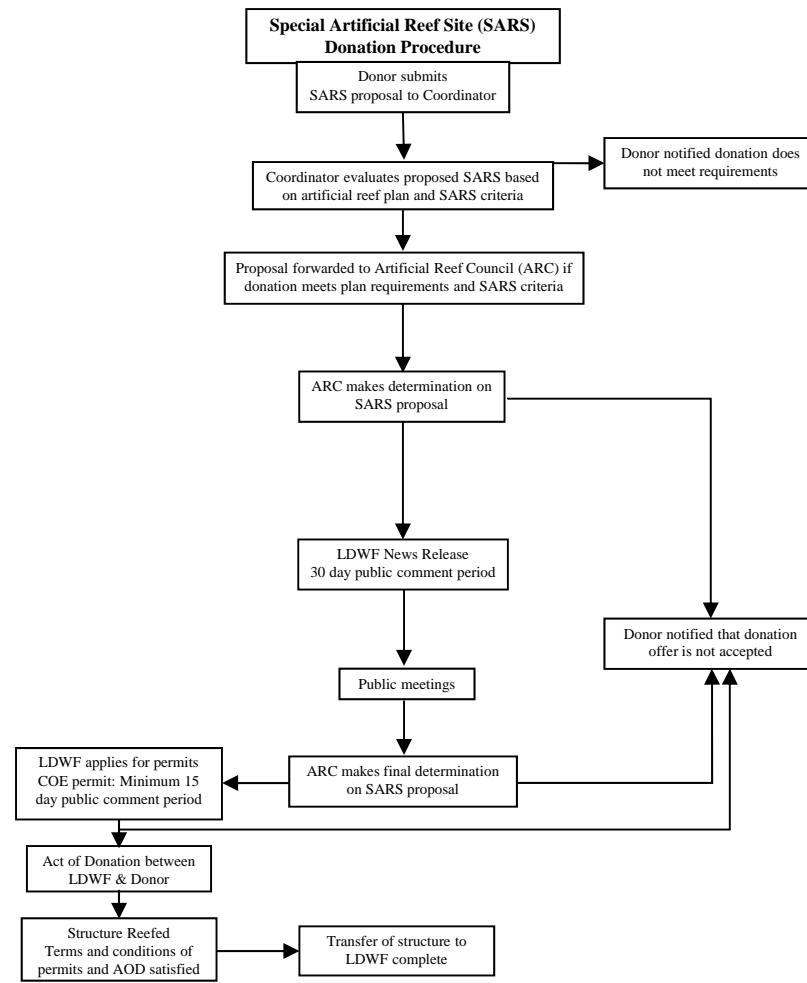
Amending and Revising SARS Criteria

- Mandatory criteria (must meet *all* of the following):
 - “the area does not occupy currently trawlable bottom, (*those water bottoms that are free of obstruction, such as existing oil & gas infrastructure*)”
 - “for every SARS created, an area of equal size (*not containing permitted or established artificial reefs*) would be eliminated from an existing, adjacent planning area; *a reasonable effort will be made to remove an area of higher shrimp effort, according to the best information available*”
 - “*the structure must be standing and undamaged by storm or other disaster*”



SARS and Shrimp Trawl Effort





What we are asking ARC to consider:

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- Revising Amendment II
 - Adding a restriction against reefing toppled structures
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 - Defining “trawlable habitat”

